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U.S. 2889.	
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PTO/SB/05 (08-00)

Approved for use through 10/31/2002. OMB 0651-0032

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UTIL				ZE014US		
PATENT APPLICATION			Inventor	Kia Silverbro	ook	
TRANSI	MITTAL	Title	A Micro-Electromechanica Guard	l Fluid Ejection Devic	e having a Nozzie	
(Only for new nonprovisional app	lications under 37 CFR 1.53(L)) Expre	ss Mail Label No.	_		
APPLICATION	ELEMENTS	40			sioner for Patents	
See MPEP chapter 600 concerning				ox Patent Applica Vashington, DC		
1. Fee Transmittal Form (e. (Submit an original and a duplicate f		7. [CD-ROM or CD-F Computer Progra		ge table or	
 Applicant claims small er See 37 CFR 1.27. 	ntity status.	8. N	lucleotide and/or Amino if applicable, all necess	Acid Sequence	Submission	
3. Specification (preferred errangement set forth	[Total Pages 29]	a.		ary) able Form (CRF)	
 Descriptive title of the i Cross Reference to Re 		b.	Specification Sequen	ce Listing on:		
- Statement Regarding F - Reference to sequence	Fed sponsored R & D		i. ☐ CD-ROM or	CD-R (2 copies)	; or	
or a computer program	listing appendix		i i.□ paper	filma idontitit	ha!	
- Background of the Inve - Brief Summary of the In	nvention	٦	ACCOMPANYING	fying identity of a		
- Brief Description of the - Detailed Description	Drawings (r med)	9.				
Claim(s)Abstract of the Disclos	sure	10.	37 CFR 3.73(b) (when there is a		Power of Attorney	
4. X Drawing(s) (35 U.S.C. 1						
5. Oath or Declaration	[Total Pages 2]	12.	Information Disc Statement (IDS)		Copies of IDS Citations	
a. X Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) 13. Preliminary Amendment						
(10) Continuation/divi	isional with Box 17 completed OF INVENTOR(S)	⁾⁾ 14.	(Should be spec		,	
Signed statement a	attached deleting inventor(s) application, see 37 CFR	15.	Certified Copy of (if foreign priorit	of Priority Docum by is claimed)	ent(s)	
1.63(d)(2) and 1.33	3(b).	16.		•••••		
6. Application Data Sheet.						
17. If a CONTINUING APPLICATION or in an Application Data Sheet under	er 37 CFR <u>1</u> .76:					
X Continuation Division Prior application information:	onal Continuation-In-part	(CIP)	of prior application No.: Group / Art Unit:2853		9,080	
For CONTINUATION OR DIVISIONAL A	PPS only: The entire disclosure	of the prior an	plication, from which an	oath or declaration	on is supplied under	
Box 5b, is considered a part of the dis The incorporation <u>can only</u> be relied u	closure of the accompanying c	ontinuation or	divisional application and	d is hereby incorp	orated by reference.	
18. CORRESPONDENCE ADDRESS						
Customer Number or Bar Code Label Clister Customer No. or Atlach bar code label here) Correspondence address below						
Name	KIA SILVERBROOK					
	393 Darling Street,			_		
Address	Ralmain		T NOTE:	1_	2044	
	Balmain	State	NSW	Zip Code		
	Australia LVERBROOK	Telephone	+61-2-9818-663	3 Fax	+61-2-9555-7762	
Name (Print/Type)	LVERBROOK	Re	egistration No. (Attorn	ney/Agent)		
Signature				Date N ve	mber 27, 2003	

Signature

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PTO/SB/17 (10-03)

November 27, 2003

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known FEE TRANSMITTAL **Application Number** Filing Date for FY 2004 First Named Inventor Kia Silverbrook Effective 10/01/2003. Patent fees are subject to annual revision. **Examiner Name** Applicant claims small entity status. See 37 CFR 1.27 Art Unit **TOTAL AMOUNT OF PAYMENT** (\$) 810.00 ZE014US Attorney Docket No. METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) Money Order ✔ Check Credit card 3. ADDITIONAL FEES Other None Large Entity | Small Entity Deposit Account: Fee Fee Fee Description Deposit Code (\$) Code Fee Paid Account 2051 Number 1051 130 65 Surcharge - late filing fee or oath Deposit 1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet Name 1053 130 1053 130 Non-English specification The Director is authorized to: (check all that apply) 1812 2,520 For filing a request for ex parte reexamination 1812 2.520 Charge fee(s) indicated below Credit any overpayments 1804 920 1804 920* Requesting publication of SIR prior to Charge any additional fee(s) or any underpayment of fee(s) Examiner action Charge fee(s) indicated below, except for the filing fee 1805 1,840 1805 1.8401 Requesting publication of SIR after to the above-identified deposit account Examiner action 1251 110 2251 Extension for reply within first month FEE CALCULATION 2252 210 Extension for reply within second month 1252 420 1. BASIC FILING FEE 1253 2253 arge Entity Small Entity 950 475 Extension for reply within third month Fee Fee Fee Description Fee Paid 1254 1,480 2254 740 Extension for reply within fourth month 1255 2.010 2001 385 2255 1,005 Extension for reply within fifth month 1001 770 Utility filing fee 770.00 1002 340 2002 170 Design filing fee 1401 330 2401 165 Notice of Appeal 1003 530 2003 265 1402 2402 165 Filing a brief in support of an appeal Plant filing fee 330 1004 770 2004 385 1403 145 Request for oral hearing Reissue filina fee 290 2403 1005 160 2005 80 Provisional filing fee 1451 1,510 1451 1,510 Petition to institute a public use proceeding 1452 110 2452 55 Petition to revive - unavoidable **SUBTOTAL (1)** (\$) 770.00 1453 1.330 2453 665 Petition to revive - unintentional 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1.330 2501 665 Utility issue fee (or reissue) Fee from Extra Claims below 1502 480 2502 240 Design issue fee **Total Claims** C 1503 640 2503 320 Plant issue fee Independent 2 1460 130 1460 130 Petitions to the Commissioner Multiple Dependent 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) Large Entity Small Entity 1806 180 1806 180 Submission of Information Disclosure Stmt Fee Description 40 Recording each patent assignment per Code (\$) Code (\$) 8021 40 8021 40.00 property (times number of properties) 1202 18 2202 Claims in excess of 20 9 385 Filing a submission after final rejection (37 CFR 1.129(a)) 1809 770 2809 1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid 1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b)) 1204 ** Reissue independent claims 86 2204 43 1801 770 2801 385 Request for Continued Examination (RCE) 1205 18 2205 9 ** Reissue claims in excess of 20 1802 1802 900 900 Request for expedited examination and over original patent of a design application Other fee (specify) (\$)⁰ SUBTOTAL (2) *Reduced by Basic Filing Fee Paid **or number previously paid, if greater; For Reissues, see above SUBTOTAL (3) 40.00 SUBMITTED BY (Complete (if applicable)) Registration No. Name (Print/Type) KIA SILVERBROOK Telephone 612 98186633 (Attorney/Agent)

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



SILVERBROOK RESEARCH Pty Ltd

393 Darling Street Balmain NSW 2041 Australia PO Box 207 Balmain NSW 2041 Australia Phone: +61 2 9818 6633 Fax: +61 2 9555 7762 Email: info@silverbrookresearch.com ACN 066 573 671

December 4, 2003

Commissioner of Patents and Trademarks Washington DC 20231 USA

Dear Sir

53 New United States Patent Applications Assignee: Silverbrook Research Pty Ltd

This letter accompanies 53 new patent applications.

53 bank drafts for the total amount of US\$51,520 are enclosed to cover filing and assignment fees for each of the 53 applications. Also attached is a list giving details of each application.

We look forward to receiving filing receipts in due course.

If you need to contact us in relation to the applications, please email my assistant, Kia Silverbrook at Kia Silverbrook@silverbrookresearch.com or by fax to +61 2 9555 7762.

Yours faithfully

Kia Silverbrook

Silverbrook Research Pty Ltd

	DOCKET		K (2080) 200 (200 (200 (200 (200 (200 (200 (20	AMOUNT	
	NO		INVENTORS	* US\$	PARENT NO
1	ZE017	Printhead assembly incorporating one or more printhead modules	Kia Silverbrook, Tobin Allen King	850.00	ART108
2	ZE018	Printhead assembly incorporating a channel member	Kia Silverbrook, Tobin Allen King	850.00	ART108
3	ZE019	Printhead assembly incorporating an elastomeric feed member	Kia Silverbrook, Tobin Allen King	850.00	ART108
4	ZE020	Printhead assembly incorporating micromoldings	Kia Silverbrook, Tobin Allen King	850.00	ART108
5	BAL70	A camera for printing manipulated images	Kia Silverbrook, Paul Lapstun, Simon Robert Walmsley	998.00	ART51
6	BAL71	A camera for pirnting on media provided on print roll	Kia Silverbrook, Paul Lapstun, Simon Robert Walmsley	1,142.00	ART51
7	BAL72	A camera for printing manipulated images on media	Kia Silverbrook, Paul Lapstun, Simon Robert Walmslev	1,070.00	ART51
8	BAL73	A camera and controlling processing system	Kia Silverbrook, Paul Lapstun, Simon Robert Walmsley	1,070.00	ART51
9	ZE009	A method of fabricating a fluid ejection device using a planarizing step	Kia Silverbrook	810.00	IJ46 Div. 2
10	ZE010	A micro-electromechanical fluid ejection device with control logic circuitry	Kia Silverbrook	810.00	IJ46 Div. 2
11	ZE011	A printhead configuration incorporating a nozzle arrangement layout	Kia Silverbrook	810.00	IJ46 Div. 2
12	ZE012	A method of fabricating a micro-electromechanical device having a laminated actuator	Kia Silverbrook	810.00	IJ46 Div. 2
13	ZF189	An image capture and processing device for a print on demand digital camera system	Kia Silverbrook	810.00	IR18
14	ZF190	A printhead assembly for a print on demand digital camera system	Kia Silverbrook	810.00	IR18
15	ZF191	A printhead re-capping assembly for a print on demand digital camera system	Kia Silverbrook	810.00	IR18
16	MTB05	Ink Jet printhead with circular cross section chamber	Kia Silverbrook	1,044.00	MJ40
17	MTB07	Ink jet printhead with amorphous ceramic chamber	Kia Silverbrook	1,116.00	MJ40
18	ZF132	Composite support beam for pirnthead assembly	Kia Silverbrook	810.00	MJ44
19	ZF133	Thermal expansion relief for printhead assembly	Kia Silverbrook	810.00	MJ44
20		Thermal expansion compensation for printhead assembly	Kia Silverbrook	810.00	MJ44
21	ZE013	A micro-electromechanical fluid ejection device having a chamber that is volumetrically altered for fluid ejection	Kia Silverbrook	810.00	MJ95
22		A micro-electromechanical fluid ejection device having a nozzle guard	Kia Silverbrook	810.00	MJ95
23		Thermal ink jet printhead with short heater to nozzle aperture distance	Kia Silverbrook	1,422.00	MJT001
24		Thermal ink jet printhead with low resistance electrodes for heaters	Kia Silverbrook	1,422.00	MJT001
25		Thermal ink jet printhead with heater elements supported by electrodes	Kia Silverbrook	1,422.00	MJT001
				.,	17101001

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26	MTB02	Very high efficiency thermal ink jet printhead	Kia Silverbrook, Angust John North, Gregory John McAvov	1,502.00	MJT001
27	МТВ03	Low voltage thermal ink jet printhead	Kia Silverbrook	1,422.00	MJT001
28	MTB04	Inkjet printhead with low mass displacement nozzle	Kia Silverbrook	1,422.00	MJT001
29	МТВ06	Thermal ink jet printhead with bubble collapse point close to nozzle aperture	Kia Silverbrook	1,422.00	MJT001
30	MTB14	Heat dissipation within thermal ink jet printhead	Kia Silverbrook	1,422.00	
31	ZF184	Ink Distribution assembly	Kia Silverbrook	810.00	MJT001
32	ZG185	Printhead chassis assembly	Kia Silverbrook		PAK12
33	ZG186	Laminated distribution structure	Kia Silverbrook	810.00	PAK12
34	ZG112	Chips with wafer scale caps formed by molding	Kia Silverbrook	810.00	PAK12
35	ZG113	Two part mold for wafer scale caps	Kia Silverbrook	810.00	WSM01
36	ZG114	Wafer scale caps located by molding	Kia Silverbrook	810.00	WSM01
37	ZG115	Molded wafer scale cap array	Kia Silverbrook	810.00	WSM01
38	ZG116	Placement tool for wafer scale caps	Kia Silverbrook	810.00 810.00	WSM01
39	ZG117	Mold making method for wafer scale caps	Kia Silverbrook	810.00	WSM01
40	ZG118	Chip with molded cap array	Kia Silverbrook		WSM01
41	ZG119	Molded wafer scale cap	Kia Silverbrook	810.00	WSM01
42	ZF117	Thermoelastic inkjet actuator with heat conductive pathways	Kia Silverbrook, Gregory John McAvoy	810.00	WSM01
43	ZE005	An ink jet printhead chip having an actuator mechanisms located about ejection ports	Kia Silverbrook, Gregory John McAvoy	850.00	YU185
44	ZE006	A method of fabricating an ink jet printhead chip having actuator mechanisms located about ejection ports	Kia Silverbrook, Gregory John McAvoy	850.00	YU195
45	ZE007	A micro-electromechanical fluid ejection device having actuator mechanisms located about ejection ports	Kia Silverbrook, Gregory John McAvoy	850.00	YU195
46	ZE008	A micro-electromechanical fluid ejection device having	Kia Silverbrook, Gregory John McAvoy	850.00	YU195
47		Page binder with air cushion and pon-contact adhesive	Kia Silverbrook	850.00	YU195
48	ZG188	Page binder with adhesive applicator for gluing traling edge of pages	Kia Silverbrook	850.00	ZF107
49	ZG189	Page binder with two part adhesive applicator	Kia Silverbrook	850.00	ZF107
50	MTB08	Inkjet printhead with ink supply passage to nozzle etched from opposing sides of wafer	Kia Silverbrook	850.00	ZF107

51	МТВ09	Inkjet printhead with non-uniform width ink supply passage to nozzle	Kia Silverbrook	1,112.00	ZF121
52	MTB10	Inkjet printhead with ink chamber inlet etched into wafer	Kia Silverbrook	1,256.00	ZF121
53		Inkjet printhead with ink supply passage formed from both sides of the wafer by overlapping etches	Kia Silverbrook	1,256.00	ZF121
56					
57				51,520.00	